

1 WHAT IS CLAIMED IS:

2 1. A quick assembly and detachment of a tool
3 arrangement, engageable with channels formed on the inside
4 peripheral surface of an internal nut of a drain fixture to
5 apply torque to said internal nut for installation and
6 removal of the internal nut of a drain fixture without
7 deforming said internal nut or drain fixture mounted by one
8 end of said drain fixture within an opening of a shower pan
9 floor or sink drain the other end of said drain fixture,
10 the mounding of said drain fixture within an opening of
11 said shower pan floor by means of an external nut and
12 gasket/washer arrangement to provide a waterproof seal and
13 insertion of the other end of the drain fixture having a
14 grommet therein on a drainpipe, said grommet disposed to be
15 in contact with said internal nut, the removal of said
16 internal nut allowing maintenance of said drain fixture
17 including the removal and replacement of said internal
18 grommet mounted within said drain fixture whereby
19 tightening of said internal nut compresses said grommet
20 between the drain fixture and the drain pipe thereby
21 establishing a water tight seal for egress of water from
22 the shower or sink through said drain fixture into said
23 drainpipe and comprising, in combination:

24 an insert tool having a generally circular shaped
25 central body and a plurality of spokes extending outwardly
26 from the outside circumferential edge of said central body,
27 said spokes spaced apart to engage at least two of said
28 channels formed in said internal nut;

29 a first wall forming a non-circularly opening
30 generally positioned at the hub of said central body;

31 upon the condition of the insert tool spokes
32 engaged within said channels of said internal ring, a user
33 supplied lever is inserted into said first wall and the
34 insert tool and lever tool arrangement is used to evenly
35 apply torque to said internal nut to remove or tighten said
36 internal nut within said drain fixture.

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2 2. The tool arrangement defined in claim 1
3 wherein said insert tool is fabricated of stock a
4 sufficient thickness to engage said user supplied lever.
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7 3. The tool arrangement defined in claim 1
8 further comprising a plurality of said first walls forming
9 a plurality of non-circular openings not positioned at the
10 hub of said central body whereby said openings may
11 accommodate said user tools as levers.
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14 4. The tool arrangement defined in claim 1
15 wherein the mounting of said insert tool into said internal
16 nut followed by the insertion of said user supplied lever
17 into first walls completes the tool arrangement that may be
18 used to apply an evenly distributed torque to loosen or
19 tighten said internal nut.
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21 5. The tool arrangement defined in claim 1
22 wherein said central body and circumferential spoke
23 configuration is selected to conform to most designs of
24 internal nut designs without requiring special adaptive
25 brackets.
26

27 6. The tool arrangement defined in claim 5
28 further comprising a preselected configuration of a
29 plurality of said first wall spaced apart from the hub of
30 said central body to accommodate said user supplied lever
31 whereby said tool arrangement may be used for multiple
32 drain installations or maintenance of existing multiple
33 drains.